

Session title

Groundwater After Fire: Evidence, Communities and Scientific Outreach

Description

As wildfire regimes intensify, post-fire impacts on groundwater recharge and spring systems are emerging as a critical-yet often overlooked-climate adaptation challenge. This session will bring together field-based evidence and practical experiences on how fire alters infiltration, recharge pathways, including insights from dry forest and savanna-type landscapes. We welcome contributions that connect hydrogeological science (indicators, monitoring, remote sensing, modelling) with implementation on the ground-community-based approaches, risk communication, and decision support that helps translate evidence into local and institutional action. The session also aims to identify scalable solutions for resilience (including nature-based measures and MAR where relevant) and to share early experiences from newly launched international collaborations. In particular, we will highlight initial lessons from the Ibero-American Network for the Restoration and Strengthening of Aquifer Management in Fire-Affected Landscapes (REMA, CYTED).

Keywords

wildfire; groundwater recharge; springs; community engagement; scientific outreach; climate adaptation

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